

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claims 1-14 (Cancelled).

15. (New) A method of transmitting allocation information of downlink radio resource to a subscriber terminal in a communication system, the method comprising:
mapping an information for at least one subscriber terminal corresponding to the radio resource to a common control information; and
transmitting the common control information to the downlink.

16. (New) The method of claim 15, wherein the information for the at least one subscriber terminal comprises an identifier for the at least one subscriber terminal and the number of the at least one subscriber terminal.

17. (New) The method of claim 15, further comprising mapping symbol offset of the radio resource to the common control information.

18. (New) The method of claim 15, further comprising mapping subchannel offset of the radio resource to the common control information.

19. (New) The method of claim 15, further comprising mapping modulation and channel encoding information of the radio resource to the common control information.

20. (New) A method for accessing downlink radio resource in a subscriber terminal, the method comprising:

receiving a common control information block including a plurality of common control informations for a plurality of radio resource blocks;

searching a common control information including own identifier among the plurality of common control informations; and

accessing a radio resource block corresponding to the searched common control information among the plurality of radio resource blocks.

21. (New) The method of claim 20, wherein at least one of the plurality of common control informations comprises an identifier for at least one subscriber terminal and the number of the at least one subscriber terminal,
wherein the a radio resource block corresponding to the at least one common control information is allocated to the at least one subscriber terminal.

22. (New) The method of claim 21, wherein the at least one common control information further comprises symbol offset of the corresponding radio resource block.

23. (New) The method of claim 21, wherein the at least one common control information further comprises subchannel offset of the corresponding radio resource block.

24. (New) The method of claim 21, wherein the at least one common control information further comprises modulation and channel encoding information of the corresponding radio resource block.

25. (New) An apparatus for transmitting allocation information of downlink radio resource to a subscriber terminal in a communication system, the apparatus comprising:
means for mapping an identifier for at least one subscriber terminal corresponding to a radio resource block and the number of the at least one subscriber terminal to a common control information block; and
means for transmitting the common control information block.

26. (New) The apparatus of claim 25, further comprising means for mapping symbol offset of the radio resource block to the common control information block.

27. (New) The apparatus of claim 25, further comprising means for mapping subchannel offset of the radio resource block to the common control information block.

28. (New) An apparatus for accessing downlink radio resource in a subscriber terminal, the apparatus comprising:
means for receiving a common control information block including a plurality of common control informations for a plurality of radio resource blocks;
means for searching a common control information including own identifier among the plurality of common control informations; and

means for accessing a radio resource block corresponding to the searched common control information among the plurality of radio resource blocks.

29. (New) The apparatus of claim 28, wherein at least one of the plurality of common control informations comprises an identifier for at least one subscriber terminal and the number of the at least one subscriber terminal,

wherein the a radio resource block corresponding to the at least one common control information is allocated to the at least one subscriber terminal.

30. (New) A method of generating downlink frame in a communication system, the method comprising:

allocating a radio resource block to the frame;

allocating a common control information block to the frame;

determining whether to map an information for at least one subscriber terminal corresponding to the radio resource block to common control information block; and

mapping an identifier for the at least one subscriber terminal and the number of the at least one subscriber terminal to the common control information block when the information for the at least one subscriber terminal is mapped to the common control information block.

31. (New) The method of claim 30, further comprising mapping symbol offset of the radio resource block to the common control information block.

32. (New) The method of claim 30, further comprising mapping subchannel offset of the radio resource block to the common control information block.

33. (New) A method of generating downlink frame in a communication system, the method comprising:

allocating a plurality of radio resource blocks including a first radio resource block for at least one first subscriber terminal and a second radio resource block for at least one second subscriber terminal to the frame;

allocating a common control information block including a plurality of common control informations to the frame, the plurality of common control informations including a first common control information for the first radio resource block and a second common control information for the second radio resource block; and

mapping an identifier for the at least one first subscriber terminal and the number of the at least one first subscriber terminal to the first common control information.

34. (New) The method of claim 33, wherein an identifier for the at least one second subscriber terminal and the number of the at least one second subscriber terminal are not mapped to the second common control information.

35. (New) The method of claim 33, further comprising mapping symbol offset of the first radio resource block to the first common control information.

36. (New) The method of claim 33, further comprising mapping subchannel offset of the first radio resource block to the first common control information.